

We claim:

1. A method of installing a tubular string in a wellbore, comprising:
installing the tubular string into position in the wellbore while the tubular string is
in a flexible condition;
expanding the tubular string;
making the tubular string more rigid.
2. The method of claim 1, comprising:
making said tubular string from a non-metallic material.
3. The method of claim 2, comprising:
storing a catalyst for a hardening reaction in the wall of said tubular string.
4. The method of claim 3, comprising:
creating a reaction with said catalyst from said expanding.
5. The method of claim 3, comprising:
making the tubular string from a composite epoxy resin and a fiber material.
6. The method of claim 1, comprising:
inflating the tubular after positioning it in the wellbore to point short of
expansion.
7. The method of claim 1, comprising:
unrolling the tubular string from a coil prior to insertion into the wellbore.
8. The method of claim 1, comprising:
providing a liner within said tubular string.
9. The method of claim 8, comprising:
making said liner from a metallic material.

10. The method of claim 9, comprising:
making said liner sacrificial upon said expanding.
11. The method of claim 1, comprising:
providing a healing agent for sealing cracks in the wall of said tubular string.
12. The method of claim 11, comprising:
encapsulating said healing agent during said expanding.
13. The method of claim 11, comprising:
liberating said healing agent as a result of crack formation in the wall of said
tubular string in the vicinity of where said healing agent is stored.
14. The method of claim 5, comprising:
providing a healing agent for sealing cracks in the wall of said tubular string;
liberating said healing agent as a result of crack formation in the wall of said
tubular string in the vicinity of where said healing agent is stored.
15. The method of claim 5, comprising:
performing said expanding without cracking the wall of said tubular string.
16. The method of claim 3, comprising:
releasing said catalyst independently of said expanding.
17. The method of claim 16, comprising:
accomplishing said independent releasing while expanding.
18. The method of claim 17, comprising:
expanding with a swage;
attaching the source for said releasing to said swage.

19. The method of claim 3, comprising:
releasing said catalyst with at least one of nuclear, magnetic, electric or electromagnetic energy or light radiation or the addition of or exposure to a chemical
20. The method of claim 3, comprising:
selectively depositing said catalyst outside of expected pay zones in the tubular.
21. The method of claim 14, comprising:
selectively depositing said healing agent outside of expected pay zones in the tubular.
22. A method of installing a tubular string in a wellbore, comprising:
forming a tubular string in an original shape from a shape memory material;
altering the shape of said tubular string to allow running it into the wellbore;
causing said tubular string to assume said original shape when in place in the wellbore.
23. The method of claim 22, comprising:
sizing said original shape such that the tubular string is firmly supported in the wellbore as a result of returning to its original shape.
24. The method of claim 23, comprising:
achieving firm support for said tubular string in the wellbore without expansion beyond said original shape.
25. The method of claim 23, comprising:
achieving firm support for said tubular string in the wellbore with expansion beyond said original shape.

26. The method of claim 22, comprising:
- heating said tubular string under an applied load to achieve said altering;
- cooling said tubular string to allow it to retain said altered shape for run in into the wellbore.
27. The method of claim 26, comprising:
- providing heat in the wellbore to allow the tubular string to assume said original shape.
28. The method of claim 27, comprising:
- using heat from well fluids to promote shape change by said tubular string to said original shape.